DESOTO, INC. MATERIAL SAFETY DATA SHEET

Dms 2115

SECTION I

DESOTO, INC. ADMINISTRATIVE AND RESEARCH CENTER 1700 S. MT. PROSPECT RD (BOX 5030)

DES PLAINES, ILLINOIS 60017

EMERGENCY TELEPHONE (312) 391-9000

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PRODUCT CLASS

MODIFIED POLYESTER

MANUFACTURERS CODE IDENTIFICATION

824X316

TRADE NAME SUPER DESOTHANE

DATE OF PREPARATION 07/01/85

INGREDIENT [CAS NUMBER]	% BY* EIGHT	OSHA PEL-PPM	ACGIH TLV-PPM	LEL	VAPOR PRESSURE a 20 DEG C
BUTYL ACETATE [123-86-4]	10.0	150	150	1.7	8.0
2-ETHOXYETHYL ACETATE[111-15-9]	25.0	s-100	S-5	1.8	2.0
ETHYL ACETATE [141-78-6]	< 5.0	400	400	2.2	76
METHYL ISOBUTYL KETONE 108-10-1	10-0	100	50	1.4	15
LEAD CHROMATE [18454-12-1]	30.0	SEE	BELOW	NA	NA

THE OSHA PEL FOR LEAD CHROMATE IS 0.05 MG/M3 AS LEAD AND 0.05 MG/M3 AS CHROMIUM. THE ACGIH TLV FOR LEAD CHROMATE IS 0.05 MG/M3 AS CHROMIUM.

* PERCENT BY WEIGHT: TO NEAREST 5% FOR SUBSTANCES 5-95%; <5.0 FOR SUBSTANCES 1.0-5.0%;

S=SKIN; C=CEILING LIMIT NE = NOT ESTABLISHED NA = NOT APPLICABLE

PROPERTY		MEASUREMENT
BOILING RANGE & 760 MM HG		171.0 TO 313.0 DEG F. 77.0 TO 156.0 DEG C.
VAPOR DENSITY	(X) HEAVIER	() LIGHTER THAN AIR
WEIGHT PER GALLON		11.3 LBS.
PERCENT VOLATILE BY VOLUME		63.4
EVAPORATION RATE	() FASTER	(X) SLOWER THAN ETHER
APPEARANCE AND ODOR		LIQUID, SOLVENT ODOR

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DOT CATEGORY

FLAMMABLE LIQUID

FLASH POINT

70-0 DEG F-

OSHA CATEGORY

FLAMMABLE LIQUID-CLASS I B (CLOSED CUP) 21.1 DEG C.

LOWER EXPLOSIVE LIMIT (LEL): SEE SECTION II

EXTINGUISHING MEDIA: USE NATIONAL FIRE PROTECTION ASSOCIATION CLASS B EXTINGUISHERS (CARBON DIOXIDE, DRY CHEMICAL OR FOAM).

UNUSUAL FIRE AND EXPLOSION HAZARDS: VAPORS MAY ACCUMULATE IN INADEQUATELY VENTILATED OR CONFINED AREAS. VAPORS MAY FORM EXPLOSIVE MIXTURES WITH AIR. VAPORS MAY TRAVEL LONG DISTANCES. FLASHBACK OF FLAME TO THE HANDLING SITE MAY OCCUR. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT.

SPECIAL FIRE FIGHTING PROCEDURES: WATER SPRAY MAY BE INEFFECTIVE. COOL FIRE EXPOSED CONTAINERS WITH WATER. FOG NOZZLES ARE PREFERRABLE. WEAR NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

STABILITY:

() UNSTABLE (X) STABLE

INCOMPATIBILITY (MATERIALS TO AVOID):

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NONE RECOGNIZED.

HAZARDOUS DECOMPOSITION PRODUCTS: PRODUCTS OF COMBUSTION ARE HAZARDOUS.

HAZARDOUS POLYMERIZATION:

() MAY OCCUR (X) WILL NOT OCCUR

CONDITIONS TO AVOID: NONE RECOGNIZED.

ENVIRONMENTAL RELEASES: DEPENDING ON THE QUANTITY AND CIRCUMSTANCES, AN UNAUTHORIZED RELEASE OF THIS MATERIAL TO THE ENVIRONMENT MAY BE REPORTABLE UNDER FEDERAL LAW TO THE NATIONAL RESPONSE CENTER (800-424-8802). STATE AND LOCAL GOVERNMENTS MAY ALSO HAVE REPORTING REQUIREMENTS OF WHICH YOU SHOULD BE AWARE.

REMOVE ALL SOURCES OF IGNITION. WEAR PERSONAL PROTECTIVE EQUIPMENT TO AVOID BREATHING VAPORS AND SKIN AND EYE CONTACT WITH THE SPILLED MATERIAL. USE NON-SPARKING TOOLS. FOR SMALL SPILLS, DIKE AND ABSORB WITH INERT MATERIAL. USE EMERGENCY RESPONSE PROFESSIONALS IF MANAGING A RELEASE IS BEYOND THE CAPABILITY OF IN-HOUSE PERSONNEL.

WASTE DISPOSAL: THIS MATERIAL IS CLASSIFIED AS AN IGNITABLE HAZARDOUS WASTE. WHEN AFFECTING ITS DISPOSAL, INSURE THAT IT IS PACKAGED, STORED, TRANSPORTED AND OTHERWISE MANAGED IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL HAZARDOUS WASTE LAWS AND REGULATIONS. NO DISPOSAL METHOD IS TO USED WHICH WOULD POSE AN ENVIRONMENTAL OR HUMAN HEALTH THREAT, INCLUDING ANY WHICH WOULD CONTAMINATE GROUND OR SURFACE WATERS.

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THRESHOLD LIMIT VALUE: SEE SECTION II (NOT ESTABLISHED FOR PRODUCT)

EFFECTS OF OVEREXPOSURE:

INHALATION:

EXPOSURE MAY CAUSE NASAL AND RESPIRATORY IRRITATION AND ACUTE CENTRAL NERVOUS SYSTEM DEPRESSION CHARACTERIZED BY HEADACHE, DIZZINESS, STAGGERING GAIT, CONFUSION OR UNCONSCIOUSNESS. ASPHYXIATION MAY RESULT FROM BREATHING OXYGEN DEFICIENT AIR.

SKIN CONTACT:

PROLONGED OR REPEATED CONTACT MAY CAUSE IRRITATION, DEFATTING OR DERMATITIS.
EYE CONTACT:

PRIMARY IRRITATION.

INGESTION:

MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA.

OTHER HEALTH EFFECTS: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL CVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. EFFECTS INCLUDE CONCENTRATION DIFFICULTIES, DIMINISHED MANUAL DEXTERITY AND MEMORY LOSS.

OTHER HEALTH EFFECTS: REPRODUCTIVE AND BLOOD DISORDERS AND BIRTH DEFECTS HAVE BEEN OBSERVED IN TESTS ON LABORATORY ANIMALS WITH 2-METHOXYETHANOL 2-ETHOXYETHANOL AND 2-ETHOXYETHYL ACETATE.

OTHER HEALTH EFFECTS: OVEREXPOSURE TO LEAD MAY CAUSE LEAD POISONING. SYMPTOMS INCLUDE METALIC TASTE, FATIGUE, SLEEP AND GASTROINTESTINAL DISTURBANCES, ANEMIA AND BRAIN, NERVOUS SYSTEM AND KIDNEY EFFECTS. SEVERE OVEREXPOSURE TO LEAD HAS ALSO BEEN ASSOCIATED WITH MALE AND FEMALE REPRODUCTIVE EFFECTS.

OTHER HEALTH EFFECTS: THE HEXAVALENT CHROMIUM COMPOUND CONTAINED IN THIS PRODUCT IS RECOGNIZED TO HAVE CARCINGGENIC POTENTIAL.

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION:

REMOVE FROM EXPOSURE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION OR CARDIOPULMONARY RESUSCITATION (CPR) IF REQUIRED. IF BREATHING IS DIFFICULT, GIVE OXYGEN. KEEP WARM AND QUIET. GET MEDICAL ATTENTION.

SKIN CONTACT:

WASH AFFECTED AREAS WITH SOAP AND WATER. DO NOT USE SOLVENTS.
REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE. GET MEDICAL ATTENTION.
DISCARD CONTAMINATED LEATHER ITEMS.

EYE CONTACT:

FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.

INGESTION:

GET MEDICAL ATTENTION.

RESPIRATORY PROTECTION: IN AREAS WHERE TLVS IN SECTION II MAY BE EXCEEDED OR IF SPRAY MIST IS PRESENT, USE NIOSH/MSHA APPROVED RESPIRATORY PROTECTION APPROPRIATE FOR INDICATED COMPONENTS. IN CONFINED AREAS USE NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATORS. FOLLOW RESPIRATOR MANUFACTURERS DIRECTIONS AND OSHA REGULATIONS (29 CFR 1910.134) FOR RESPIRATOR USE.

VENTILATION: WHERE EMPLOYEES MAY BE EXPOSED, PROVIDE GENERAL DILUTION OR LOCAL EXHAUST VENTILATION IN VOLUME AND PATTERN TO KEEP LEVEL OF HAZARDOUS INGREDIENTS IN SECTION II BELOW RECOMMENDED (ACGIH TLV) OR REGULATE D (OSHA PEL) LIMIT. WHERE EMPLOYEES WILL NOT BE EXPOSED, KEEP LEVEL BELOW 25% OF LEL IN SECTION II.

PROTECTIVE GLOVES: WEAR CHEMICALLY RESISTANT GLOVES.

EYE PROTECTION: SAFETY GLASSES WITH SIDE SHIELDS OR GOGGLES

OTHER PROTECTIVE EQUIPMENT: AVOID SKIN CONTACT BY USE OF OTHER PROTECTIVE CLOTHING. A SAFETY SHOWER, AN EYE BATH AND WASHING FACILITIES SHOULD BE AVAILABLE.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:
KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS
AND FLAME. DO NOT STORE ABOVE 49 DEG C (120 DEG F). STORE FLAMMABLE LIQUIDS
IN ACCORDANCE WITH APPLICABLE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)
CODES AND GOVERNMENTAL REGULATIONS.

GROUNDING AND BONDING PROCEDURES SHOULD BE FOLLOWED WHEN TRANSFERRING THIS MATERIAL. AVOID FREE FALL OF LIQUID. DO NOT SMOKE WHERE THIS MATERIAL IS USED OR STORED. DO NOT APPLY TO HOT SURFACES.

OTHER PRECAUTIONS:

EMPTY DRUMS MAY CONTAIN EXPLOSIVE VAPORS. DO NOT CUT, PUNCTURE OR WELD ON OR NEAR DRUM.

DO NOT TAKE INTERNALLY. DO NOT DELIBERATELY CONCENTRATE THIS PRODUCT AND INHALE THE VAPORS. PREVENT PROLONGED CONTACT WITH CONTAMINATED CLOTHING WASH CONTAMINATED CLOTHING BEFORE REUSE.

VAPORS OF THIS PRODUCT ARE HEAVIER THAN AIR AND MAY COLLECT IN LOW OR CONFINED AREAS. DO NOT ENTER SUCH AREAS WITH FOLLOWING APPROPRIATE PROCEDURES INCLUDING AIR MONITORING, USE OF SUPPLIED AIR IF NECESSARY AND THE PRESENCE OF AN OBSERVER FOR ASSISTANCE.

DO NOT SAND, FLAME CUT, BRAZE OR WELD THE DRY COATING WITHOUT NIOSH APPROVED RESPIRATOR OR APPROPRIATE VENTILATION.

OBSERVE PRECAUTIONARY LABEL WARNINGS.

PREPARED BY S. M. STEVENSON TECHNICAL INFORMATION SPECIALIST